

INFORMATION REPORT CD NO.

COUNTRY Germany (Russian Zone)
SUBJECT Radar Station at Alt-Lönnewitz Airfield
25X1

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25X1 1. On passing the Dumbo radar station it was noticed that this was working. The aerial framework was revolving around its vertical axis making a "whirring" noise which was described as that of a cog wheel mechanism at the pivot point. The Central component with vanes at either end was seen to be fixed at right angles to the frame-work and was moving with it. The movement was not a regular rotation, but an irregular motion first one way then the other. The main framework appeared mainly to take a position in which the dipoles were roughly at right angles to the runway and thus the mesh vanes with their dipoles were similarly disposed. There was no sign of tilting and this was not thought feasible.

2. Description of Dumbo (See Sketch "A")

Although fairly accurately described and sketched, the dimensions given are only approximate.

- (a) Over-all height 8 - 10 meters.
- (b) The two aerial arrays on the framework are each 6 meters long with 9 equidistant dipoles. Length of dipoles, 80 cms.
- (c) The central component with wire mesh vanes at the ends also has an aerial array protruding from the vanes at right angles to them and from the same sides. These consist of two dipoles identical with the rest (see sketch).
- (d) A wire leads from the middle of the top aerial array to the center of each vane at the point where the dipoles join the vanes.
- (e) Two vehicles stand nearby
- (f) 3 cables run from the ground up the mast to the pivot point. These were thought to originate from the vehicle or vehicles, but this could not be accurately observed.

3. Russ 2 (?)

The second radar station was then observed (Runs 27) and it was first noticed that the second closed vehicle without aeriels, which normally stood

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- 2 -

approximately 10 meters behind the radar vehicle was missing. It was later seen standing beside the runway. The engine hood of the radar truck was covered with a tent.

The horizontal aerial which normally lies parallel to the axis of the vehicle had swung around at right angles across the vehicle thus placing it at right angles to the runway. No movement was seen.

4. Description of Russ 2 (See Sketch "B")

Dimensions are approximate.

- (a) The supporting mast for the aerial array is 6 meters high.
- (b) The aerial has 7 dipoles 80 cms. apart. As numbered on the sketch, dipoles 1 - 6 are 1 meter long and dipole No. 7 appears to be slightly longer, but only a matter of 10-15 centimeters. At all events they are all narrower than the width of the vehicle which was estimated at 1.80 meters.
- (c) Two wires run from the roof over the driving cab of the vehicle to dipole No. 6 where they appear to join. They are held apart by a short batten near the dipole.
- (d) The dipoles appear to be fixed to the aerial by means of sleeves, one around the dipole and one around the aerial

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5. Arrival of Jet Aircraft.

The activity of the two radar stations coincided with relatively good weather and the first flying by jet aircraft seen from this airfield for some weeks. A line of tripods had been erected on both sides of the runway, and were draped with white sheets.

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